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## A Proposed Vision About the Requirements for Transforming Najran University into A Green University

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### **Abstract**

*The purpose of this study was to formulate a suggested plan for converting Najran University into a green university. Four scholarly articles that lay the foundation for creating a suggested plan for converting Najran University into a green university were published before this study. The first dealt with Requirements for Najran University to transform into a green university in light of the experiences of some Arab and international universities, The second study dealt with Faculty members' opinions on the requirements for Najran University to become a green university, The third study dealt with: Students' opinions about the requirements for Najran University to become a green university, The fourth study dealt with, Employees' opinions about the requirements for Najran University to become a green university, The last phase involves using the findings of these studies to develop a suggested plan for Najran University's transformation, taking into account the views of staff, students, and professors as well as the experiences of a few other international, Saudi, and Arab universities.*

**Keywords:** *A Proposed Vision, Requirements, Green University*

### **INTRODUCTION**

This part will study a group of studies that were envisioned to implement a green university, or that led to a green university:

The study (Al-Baridi, 2013) aimed to establish the subject of sustainability education in higher education institutions and study experiences in this field. It presented a definition of sustainability and how sustainability can be taught in higher education courses. It also reviewed many international experiences that included the United States of America, Canada, Britain, Germany, the Netherlands, Malaysia, and Japan. New Zealand, Tunisia, and Egypt. The study developed an initial scientific proposal model for teaching sustainability that includes five dimensions: sustainability environment, sustainability teacher, sustainability learner, sustainability subject, and sustainability skills. This scientific vision was presented for application.

Study (Al-Omari, 2019) The study aimed to highlight the most important experiences of international universities in transforming university administrations towards sustainability through the use of the descriptive approach, where 10 universities were selected from four countries: America, Canada, Britain, and the Netherlands, as follows: the top 5 universities Building a sustainability tracking, evaluation and classification system (STARS), and the five best universities based on the 2017 Green University Ranking Index (UI Green Metric). The study also aimed to determine the administrative requirements necessary to activate the role of university administrations in the shift towards sustainability, and build a proposed vision for the transformation of university administrations. Towards academic, research and social sustainability.

(MELLAL, HEBBAZ, 2020) After sustainability became a significant factor in university classification, the study sought to shed light on a number of experiences in Morocco, Egypt, and America with regard to converting universities into sustainable universities (also known as "green universities") with a green campus. The study employed a descriptive methodology to accomplish the goals of the final investigation. According to their methods, the universities under investigation gain from renewable natural resources, and the developed

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environment plays a significant part in the transition towards green institutions. Utilizing all available resources to work in accordance with the global green standard was another recommendation made by the study.

Study (Abdel Salam, 2021) The study aimed to present a proposed vision for transforming Assiut University into one of the fourth generation universities in light of the sustainable development goals and Egypt's Vision 2030. To achieve the goal of the study, the concept of fourth generation universities, their characteristics and requirements were reviewed, as well as defining the requirements for transforming Assiut University. To one of the fourth-generation universities in light of the sustainable development goals and Egypt's Vision 2030. The researcher also designed a questionnaire directed at faculty members to obtain their opinions about the availability of the requirements for transformation of fourth-generation universities at Assiut University in light of Egypt's Vision 2030. The questionnaire was applied to a group of members. The faculty, and in light of the analysis of the questionnaire results, a proposed vision was presented to transform Assiut University into one of the fourth generation universities in light of the sustainable development goals and Egypt's 2030 vision.

Study (Al-Hazmi, 2022) The study aimed to identify the degree to which academic leaders in Saudi universities apply the dimensions of sustainable leadership from the point of view of faculty members, and to identify the necessary requirements for developing academic leaders in light of sustainable leadership. The study relied on the descriptive approach, and the tool The study included a questionnaire that was applied to a random sample of faculty members at Umm Al-Qura University, King Abdulaziz University, and Taif University. The study concluded that the degree of application of the dimensions of sustainable leadership was moderate in general, and one of the dimensions of sustainable leadership obtained a degree of application. Medium, ranked as follows: Ethical behavior - Strategic direction - Creativity and innovation - Social responsibility - Developing and investing in human and material resources. As for the requirements necessary to develop academic leaders in light of sustainable development, they received a high degree of need in general. After the organizational requirements, a very high degree of need was obtained, and after the personal requirements of the leader, a high degree of need was created. A proposed vision for developing academic leaders in... Sustainable driving light.

(Atalla , 2023) The research aimed to present suggested proposal to improve the competitive rank of Al-Azhar University in the international rankings in the light of green economy standards, through an intellectual framework that defines the most important features of the green economy and the criteria for international rankings, and to reveal the position of Al-Azhar University in these rankings. The research used the descriptive analytical approach. The research indicated that Egyptian universities in general, and Al-Azhar University in particular, came at lagging levels in the most important international rankings according to the latest assessment for the year 2022; Where Al-Azhar University came in the ARWU ranking in the order between (901- 1000), and in the Q.S ranking in the order after the thousand, it also came in the ranking in the order (1001 - 1200), and in the Webometrics ranking in the order (1628), in addition to the absence of Al-Azhar University for the green universities ranking. The research is finalized by suggesting a proposal to improve the competitive rank of Al-Azhar University in international rankings in the light of green economy standards. The research recommended the development of legislation and regulations that achieve partnership between the university and the bodies working in the field of green economy, and the need for the university to focus on aligning its outputs with the needs and requirements of the green economy.

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and the bodies working in the field of green economy, and the need for the university to focus on aligning its outputs with the needs and requirements of the green economy.

(Daoud, 2023) The interest of environmental is a necessary If interest in protecting the environment is a necessary requirement at all ages, there is no doubt that it has become an imperative in this era, especially in the light of those current conditions the country is going through from a steady increase in population, and a quantitative expansion in the number of students studying university buildings, and it was resulted about that Energy depletion in spite of the limited resources and sources, in addition to increasing the waste resulting from human use of educational buildings, especially chemical waste from practical colleges, in addition to the phenomenon of global warming that resulted from increased gas emissions, as well as reducing the share of Nile water and the pursuit of security In its forefront, it sold Ethiopia to construct dams at the source of the Nile, which could expose Egypt to a real crisis as a result of its dependence on the Nile water as a main source of water and electricity. Indeed, the trend towards green universities with a clean campus is one of the solutions to these challenges and contemporary environmental changes. The study aims to develop a proposed perception for a sustainable university environment in the light of the philosophy of green universities, and used the descriptive approach to achieve that goal. The study dealt with the concept of the sustainable university environment, its importance, objectives, characteristics and components, and then presented the concept of green universities, their importance, objectives, philosophy, and the requirements of achieving them. In conclusion, the study reached a proposed model for a sustainable university environment in light of the philosophy of green and universities.

### **The Study Problem**

By presenting previous studies, which are useful in highlighting the problem of the study and will also help in building the proposed concept, the problem of the study can be defined in the following main question:

- **What is the A proposed vision for the requirements for transforming Najran University into a green university?**
- The following sub-questions branch out from this question:
  - What are the opinions of faculty members about the requirements for Najran University to become a green university?
  - What are students' opinions about the requirements for Najran University to become a green university?
  - What are the employees' opinions about the requirements for Najran University to become a green university?
  - What are the most important aspects of the proposed vision for the requirements for transforming Najran University into a green university?

### **Search Limits:**

**Objectivity:** The research paper dealt with developing a proposed vision for the requirements for transforming Najran University into a green university

**Humanity:** This research paper is concerned with developing a proposed vision based on studies conducted on human resources at Najran University, including faculty members, students, and employees.

**Time:** This research paper was conducted during the first semester of the academic year 1445.

**Spatial:** This research study was conducted on all human resources at Najran University.

### **The Importance of Studying**

-Developing a proposed vision about the requirements for transforming Najran University into a green university.

-Decision makers in the Ministry of Education and Saudi universities benefit from the results of this research paper in providing the requirements for transforming Saudi universities into green universities.

### **The A Proposed Vision for The Requirements for Transforming Najran University into A Green University**

The proposed vision for the requirements for transforming Najran University into a green university, in light of what was reached in the theoretical framework of the study, and the results of field studies through which a set of results were reached that are useful in developing the proposed vision.

#### **This Research Paper Proceeds as Follows:**

##### **First: The Results of The Study in Both Its Theoretical and Field Aspects**

The studies conducted by the research team aimed to reach the most important requirements for transforming Najran University into a green university based on studying the opinions of (faculty members, students, employees) at Najran University as well as the obstacles that may face Najran University's transformation into a green university, and through the results of these studies. In light of the theoretical study that was conducted on the requirements for universities to transform into green universities in light of international, Arab and Saudi experiences, the proposed scenario is developed.

#### **The Following Is a Presentation of The Most Important Findings of The Study**

##### **1- Theoretical Results**

The study (Mohamed, et al., 2024) reached a number of results, perhaps the most notable of which are:

##### **-Requirements for turning Najran University into a green university:**

In the beginning, a higher committee must be formed at the university specialized in the process of planning and implementing the program to transform into a green university. It must be taken into account that this committee includes members from all academic disciplines, and is represented by students, employees, and members of the local community, so that the committee's decisions are inclusive of all the opinions and ideas of human resources.

The various requirements that contribute to the transformation of Najran University into a green university will be presented, through the findings of previous studies and the experiences presented in this paper:

- Converting university buildings into energy-efficient buildings.
- Implementing sustainable environmental laws and rules.
- The university provides transportation to and from the university city and within the university city.
- Relying on administrative electronic transactions to reduce spatial relocation to complete administrative transactions.
- Providing places for walking between university buildings and for cycling.
- Providing courses related to environmental education and sustainable development.
- Using energy-saving devices in teaching processes.
- Providing introductory meetings for students, employees, and faculty members to raise awareness about the transition to a green university.
- Linking students' graduation projects to environmental sustainability and green transformation.
- Supporting research projects on environmental sustainability.
- Providing community convoys to raise awareness of environmental sustainability and green transformation.

-Linking the goals of the university's strategic plan to the development goals of sustainability and green transformation.

-Use energy-efficient lighting systems.

-Using water treatment technology used within the university.

-Using waste sorting and recycling technology.

## **RESULTS OF THE FIELD STUDY**

Field studies revealed several results, perhaps the most prominent of which are the following:

### **1- A study on the opinions of faculty members (Muhammad, et al., 2024)**

-According to the study's findings, faculty members who made up the study sample gave the prerequisites for making Najran University a green university a score of (3.34), or "Agree."

-Faculty members' replies do not differ statistically significantly based on the gender variable (male and female).

-On all axes of the questionnaire, there are statistically significant differences in the faculty members' replies based on the academic rank variable (professor, associate professor, assistant professor).

-Regarding the years of experience variable (less than 5 years, from 5 to less than 10 years, and more than 10 years), faculty members' replies varied statistically significantly on all save the third axis of the questionnaire.

### **2- A study on students' opinions: (Muhammad, et al., 2024)**

- A score of (3.83) (Agree) was obtained from the study sample of students in response to their comments regarding the requirements for turning Najran University into a green university.

- Regarding all save the first axis and the questionnaire overall, there are statistically significant disparities in the replies provided by students based on their gender (males and females).

- On every axis of the questionnaire, there are statistically significant disparities between the replies provided by the students regarding the college specialization variable (theoretical - practical).

- With the exception of the questionnaire as a whole, there are statistically significant differences in the students' answers based on the academic level variable (first through third, fourth through sixth, or more than sixth). This suggests that there is disagreement among the study sample of students.

### **3- Study on employee opinions: (Mohamed, et al., 2024) :**

-The research findings demonstrated that the study sample's perspectives on the conditions necessary to convert Najran University into a green university received an overall score of (2.80) (Neutral) in their responses.

-On every axis of the questionnaire, there are statistically significant disparities in the replies from the employees based on the gender variable (males and females).

- Except for the first and third axis, there are statistically significant differences in the replies provided by employees based on their experience level (5–10/more than 10 years).

## **Secondly, the Proposed Vision**

The proposed vision is a general framework that is based on overall understanding and grasping the corner of things in general. The study explains the proposed vision through its objectives, components, basic starting points, implementation mechanisms, requirements for its success, and problems that may face its application, as follows- :

### **1-Objectives of the Proposed Vision**

The proposed vision aims to:

- A- Clarifying the requirements for transforming Najran University into a green university.
- B- Identify the perceptions and opinions of faculty members, students and employees about the requirements for the university to become a green university.
- C- Those responsible for Najran University are aware of the requirements for transforming Najran University into a green university.

**2 -The Starting Points of The Proposed Vision**

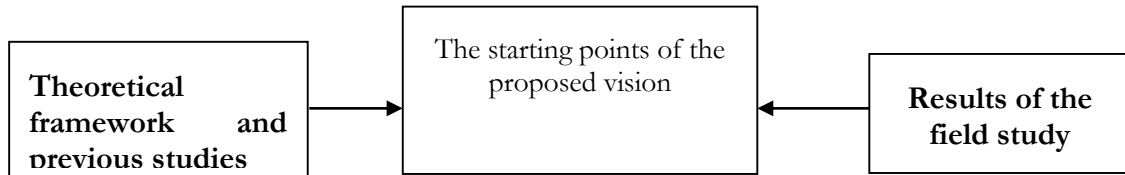


Figure (1) shows the starting points of the proposed vision

It is clear from the previous figure that the starting points of the proposed concept, from which it will be applied, include the theoretical framework, previous studies, and the results of the field study of (Muhammad, et al., 2024).

**3-Components Of the Proposed Vision: -**

There are many components that apply the proposed vision regarding the requirements for transforming Najran University into a green university:

**4- Mechanisms For Implementing the Proposed Vision**

There are multiple mechanisms for implementing the proposed vision regarding the requirements for transforming Najran University into a green university, and the vision is implemented through the following steps:

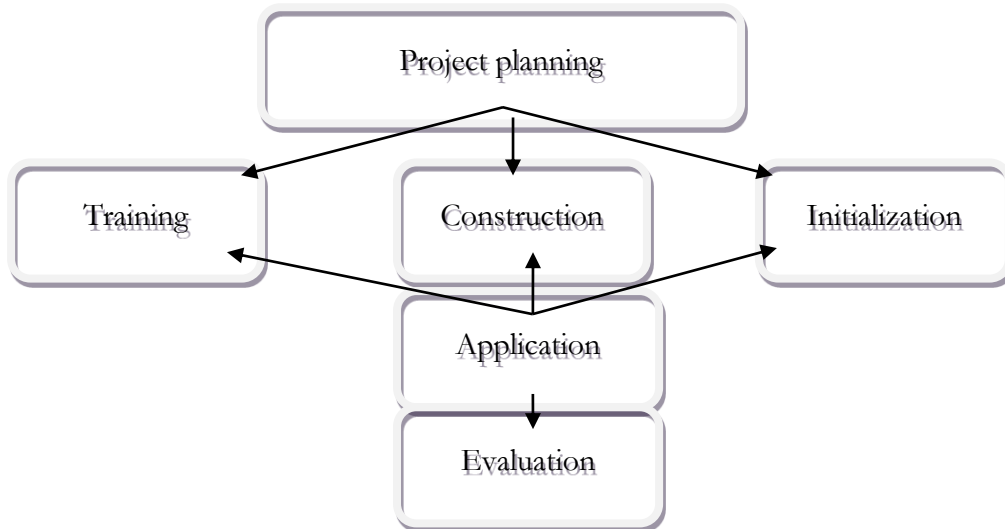


Figure (2) of the mechanisms for implementing the proposed vision

From the previous figure it is clear that

**1- Planning a project to transform Najran University into a Green University**

A project is underway to transform Najran University into a green university. Through the Planning Committee, headed by the University Vice President, this committee sets plans for implementation, follow-up and

supervision, where the problems facing the application and proposed solutions are reviewed. One of the planning steps for the project is to transform Najran University into a green university. the following:

### **A- Initialization**

The preparation process and its various requirements are important matters before and during the transformation of Najran University into a green university. As the preparation prepares all university employees, including faculty members and administrators, to deal with the new system. Therefore, this advanced preparation is necessary in order for it to be accepted in easy and acceptable ways. This is done through the following:

- Holding a number of meetings that provide awareness to all groups related to the project and are conducted by a number of university professors and information technology experts.
- Emphasizing the principles of modern management, such as transparency, accountability, accountability, and the availability of administrative information related to organizing administrative and academic work at the university in accordance with the applicable administrative systems.
- Forming several engineering, technical, administrative and academic committees with the aim of achieving the requirements for transforming Najran University into a green university in light of the field studies conducted by the research team.

### **B- Construction**

One of the main elements in the proposed scenario is adding a component to the administrative system to transform Najran University into a green university. The most important components that must be added according to the proposed concept are:

- 1- Establishing a unit to support the university's transformation project implementation processes to increase interaction with them.
- 2- Establishing a unit of a special nature aimed at supporting electronic and telephone communication between Saudi universities and solving communication problems and trying to provide solutions to them, which will facilitate the process of transforming Najran University into a green university.
- 3- Establishing principles of transparency in distributing administrative burdens among faculty members and linking them to rewards, wages, and incentives.

### **C-Training**

The training component is one of the important elements when Najran University is transformed into a green university, and we can specify the elements that are primarily covered by training: "faculty members, deans, deputies, department heads, and all those working in the field of administration".

Types of training that help in developing basic education schools:

- Specialized training courses in the fields of sustainable development, green economy, and green university.
- Specialized courses in the foundations, dimensions and standards of the green university.
- Specialized courses for educational leaders in universities on how to transform Najran University into a green university.

### **D- Application**

Implementation is carried out according to the established plan, which is supervised by specialized committees, then providing human and material resources and training to all those concerned with working in the universities, then following up on implementation through supervision and follow-up, as well as amending any deficiencies that occur in the plan's steps.

## **E- Evaluation**

This element comes in the last stage after the previous stages, but it is noted that the relationship is in a dynamic and continuous cycle that may lead the cycle again. It is noted that the evaluation here is done in different ways so that Najran University is transformed into a green university, aiming to continuously evaluate all the human, material and legislative elements of the process.

## **5- Requirements for the Success of the Proposed Vision**

To ensure the success of the proposed vision, some special factors and forces must be present to make it successful. These forces and factors include:

### **A- Legislation**

The success of the proposed vision requires a set of amendments to legislation related to the following:

- Develop a plan to transform Najran University into a green university.
- Developing the proposed advisory committees to formulate and amend (objectives - planning - coordination - decision-making - follow-up and evaluation), determine their affiliation and specialization, and amend the regulations in a way that increases the efficiency of decision-making processes, aiming to transform Najran University into a green university.
- Center for Systems Development of Research and Studies Specialized in the Processes of Transforming Najran University into a Green University.

### **B- Financing with Support**

The proposed vision of financing and support must be successful, especially from social bodies, institutions, banks, and sponsoring companies to support university programs and others.

### **C- Creating A Climate for Change**

Individuals often resist changes, especially those that affect old systems and laws and bring new ideas to the scene. Hence, the availability of members of the system must be available, and this will only be done by creating the necessary organizational climate. Therefore, senior management must be inspired by the ideas of all members of the system for decision-making processes.

## **6- Difficulties That May Be Encountered in Applying the Concept and Proposals for Overcoming Them**

The study explains it as follows: -

### **Implementing the Proposed Vision Faces a Number of Difficulties, Including the Following**

- 1 - The lack of financial funds necessary to implement such development, and this is overcome by providing many sources of funding far from routine regulations.
- 2 - Change in executive leadership in universities, which results in a change in established plans, which can be overcome by setting long-term time plans and committing to and following up on the implementation of this plan.
- 3 - Resistance to change by university employees who benefit from the current situation. This is overcome by training university employees on contemporary administrative approaches and giving them monetary incentives that increase the effectiveness of the training.
- 4 - There is a percentage of faculty members who oppose change, and this is overcome by conducting training courses for them.
- 5 - The small number of experts working in the field of knowledge management, and this is overcome by attracting this elite by increasing financial incentives for them and encouraging them to work in government.



## **Proposals To Overcome the Difficulties of Implementing the Proposed Vision**

It becomes clear as follows:

- Working to spread awareness and guidance on the importance of transforming Najran University into a green university.
- Paying attention to training courses in quantity and quality and transforming Najran University into a green university.
- Establishing encouraging incentives for university employees who contribute through their behavior to the transformation of Najran University into a green university.
- Establishing an evaluation unit for administrative and financial performance that aims primarily to identify strengths, weaknesses, opportunities and real threats that lead to tangible reforms in all elements of the university educational system.
- Benefiting from the experiences of some developed countries in transforming Najran University into a green university.

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